

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------------|------------------|---------|------------------|
| S1 | 1 | "20050056950" | US-PGPUB; USPAT | OR | OFF | 2005/10/31 13:12 |
| S2 | 289 | ("led" light near emit\$4 or diode or sensor) same substrate with (slop\$3 or indentation or dent\$3) | USPAT | OR | ON | 2005/10/31 13:14 |
| S3 | 1463 | ("led" light near emit\$4 or diode or sensor) same substrate with (slop\$3 or indentation or dent\$3 or recessed or recess\$3 or depress\$3) | USPAT | OR | ON | 2005/10/31 13:14 |
| S4 | 13 | ("led" light near emit\$4 or diode or sensor) same substrate with (slop\$3) with (indentation or dent\$3 or recessed or recess\$3 or depress\$3) | USPAT | OR | ON | 2005/10/31 13:32 |
| S5 | 5 | ("led" light near emit\$4 or diode or sensor) same substrate with (slop\$3) with (indentation or dent\$3 or project\$3 or protrut\$3) | USPAT | OR | ON | 2005/10/31 13:33 |
| S6 | 5 | ("led" light near emit\$4 or diode or sensor) same substrate with (slop\$3 or wdg\$3) with (indentation or dent\$3 or project\$3 or protrut\$3) | USPAT | OR | ON | 2005/10/31 13:33 |
| S7 | 28 | ("led" light near emit\$4 or diode or sensor) same substrate with (slop\$3 or hill\$3 or inclin\$3) with (indentation or dent\$3 or project\$3 or protrut\$3) | USPAT | OR | ON | 2005/10/31 13:45 |
| S8 | 5 | ("20040008326" "20040021831" "6259423" "6741228" "6805448").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/31 13:39 |
| S9 | 31 | ("20040070558" "4547702" "4963788" "4975692" "5013967" "5073446" "5151629" "5170194" "5229883" "5276380" "5294870" "5396304" "5406172" "5504599" "5528339" "5568417" "5594463" "5598067" "5634835" "5637359" "5643642" "5841494" "5847506" "5865521" "5958609" "6140571" "6188175" "6291942" "6337542" "6384804" "RE36060").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/31 13:41 |
| S10 | 1997 | ("led" light near emit\$4 or diode or sensor) same substrate with (indentation or dent\$3 or project\$3 or protrut\$3) | USPAT | OR | ON | 2005/10/31 13:45 |

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| S11 | 399 | ("led" light near emit\$4 or diode or sensor) same substrate with (indentation or dent\$3 or project\$3 or protrut\$3) with (layer or film) | USPAT | OR | ON | 2005/10/31 13:45 |
| S12 | 9 | ("led" light near emit\$4 or diode or sensor) same substrate same (indentation or dent\$3 or project\$3 or protrut\$3) with clad\$3 near (layer or film) | USPAT | OR | ON | 2005/10/31 13:46 |
| S13 | 1 | "20050056950" | US-PGPUB; USPAT | OR | ON | 2005/11/15 15:12 |
| S14 | 2 | "6580163".pn. or "3868608".pn. | USPAT | OR | OFF | 2005/11/28 00:44 |
| S15 | 327 | (semiconductor or die or dice or IC or chip) with saw near filter | USPAT | OR | ON | 2006/04/11 13:00 |
| S16 | 327 | (semiconductor or die or dice or IC or chip) with saw near filters | USPAT | OR | ON | 2006/04/11 13:49 |
| S17 | 294 | (semiconductor or die or dice or IC or chip) and filters and satellite with receiv\$3 and terrestrial with receiv\$3 | USPAT | OR | ON | 2006/04/11 13:50 |
| S18 | 23 | (semiconductor or die or dice or IC or chip) and saw with filters and satellite with receiv\$3 and terrestrial with receiv\$3 | USPAT | OR | ON | 2006/04/11 13:54 |
| S19 | 49 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) and filters and satellite with receiv\$3 and terrestrial with receiv\$3 | USPAT | OR | ON | 2006/04/11 16:06 |
| S20 | 41 | S19 not S18 | USPAT | OR | ON | 2006/04/11 13:55 |
| S21 | 95 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) and filters and satellite with receiv\$3 and terrestrial | USPAT | OR | ON | 2006/04/11 16:07 |
| S22 | 49 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) and filters and satellite with receiv\$3 and terrestrial with receiv\$3 | USPAT | OR | ON | 2006/04/11 16:17 |
| S23 | 46 | S21 not S22 | USPAT | OR | ON | 2006/04/11 16:07 |
| S24 | 55 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) and filters and satellite and terrestrial with receiv\$3 | USPAT | OR | ON | 2006/04/11 16:18 |
| S25 | 149 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) and filters and satellite and terrestrial | USPAT | OR | ON | 2006/04/12 12:51 |
| S26 | 54 | S25 not S21 | USPAT | OR | ON | 2006/04/11 16:18 |

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| S27 | 149 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) and filter and satellite and terrestrial | USPAT | OR | ON | 2006/04/12 12:51 |
| S28 | 768 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) and filter and satellite | USPAT | OR | ON | 2006/04/12 14:22 |
| S29 | 619 | S28 not S27 | USPAT | OR | ON | 2006/04/12 12:52 |
| S30 | 1412 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) and filter with input and filter with output | USPAT | OR | ON | 2006/04/12 14:23 |
| S31 | 191 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) same filter with input and filter with output | USPAT | OR | ON | 2006/04/12 14:23 |
| S32 | 238 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) and (pad or contact or terminal) with filter with input and filter with output with (pad or contact or terminal) | USPAT | OR | ON | 2006/04/12 16:49 |
| S33 | 2 | "11269284" | JPO | OR | OFF | 2006/04/12 16:08 |
| S34 | 6 | ("3755761" "3831116" "3858118" "4054841" "4115744").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/12 16:44 |
| S35 | 5 | ("4296391").URPN. | USPAT | OR | OFF | 2006/04/12 16:44 |
| S36 | 52 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) and (acoustic near wave with filter) and (pad) | USPAT | OR | ON | 2006/04/12 17:09 |
| S37 | 9 | ("4163201" "4737742" "4795934" "5202652" "5252882" "5281883" "5459368" "5949305" "6078229").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/12 17:00 |
| S38 | 5 | ("6339365").URPN. | USPAT | OR | OFF | 2006/04/12 16:57 |
| S39 | 206 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) and (acoustic near wave with filter or saw) and (pad) | USPAT | OR | ON | 2006/04/12 17:10 |
| S40 | 89 | ("RF" or radio) with (semiconductor or die or dice or IC or chip) and (acoustic near wave with filter or saw near device) and (pad) | USPAT | OR | ON | 2006/04/12 17:10 |
| S41 | 144 | ("RF" or radio or saw) with (semiconductor or die or dice or IC or chip) and (acoustic near wave with filter) and (pad) | USPAT | OR | ON | 2006/04/12 17:15 |

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| S42 | 45 | ("RF" or radio or saw) with (semiconductor or die or dice or IC or chip) and (acoustic near wave with filter) and (pad) and (semiconductor or silicon or "Si") with substrate | USPAT | OR | ON | 2006/04/12 19:22 |
| S43 | 4424 | 257/778 | USPAT | OR | OFF | 2006/04/13 14:13 |
| S44 | 286 | (acoustic or saw) with (semiconductor or die or dice or IC or chip) and filter and (pad) and (semiconductor or silicon or "Si") with substrate | USPAT | OR | ON | 2006/04/12 19:23 |
| S45 | 2665 | 257/786 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 18:04 |
| S46 | 3417 | 257/686 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 17:18 |
| S47 | 3 | 257/E23.052 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 17:17 |
| S48 | 5 | 257/E23.079 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 17:18 |
| S49 | 8 | 257/E23.052 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 17:17 |
| S50 | 10 | 257/E23.079 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 17:18 |

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| S51 | 3732 | 257/686 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 17:18 |
| S52 | 2829 | 257/786 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 18:46 |
| S53 | 5447 | 257/778 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 18:46 |
| S54 | 473 | 310/313 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 20:08 |
| S55 | 1465 | 333/193 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 20:26 |
| S56 | 664 | 333/194 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 20:38 |
| S57 | 2944 | 257/786 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 20:49 |

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| S58 | 5712 | 257/778 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 20:49 |
| S59 | 20 | 257/E23.052 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/13 21:51 |
| S60 | 31 | 257/E23.079 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/13 21:51 |
| S61 | 3030 | 257/786 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/13 21:53 |
| S62 | 5954 | 257/778 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/13 22:12 |
| S63 | 4198 | 257/686 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/13 22:12 |